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QUIZZES

Practice Test-1 (Diversity Among
Plants and Animals)



10 Questions



7 min

Topics

Introduction and diagnostic features of Plants,
Classification of Plants

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Start Quiz

SAEED MDCAT TEAM



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1/10



7 min



Hint

Q : Organisms referred to as amphibians of plant kingdom are:

A

Pteridophytes

B

Bryophytes

C

Angiosperm

D

Gymnosperms

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1

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2/10



7 min



Hint

Q : The male sex organ of bryophyte is called:

A

Antheridium

B

Tests

C

Globule

D

Archegonium

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3/10



7 min



Hint

Q : All of the following are related to the members of Kingdom plantae except:

A

Autotrophic

B

Multi-cellular

C

Motile

D

Eukaryotic

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4/10



7 min



Hint

Q : All of the following are included in bryophytes except:

A

Hepaticopsida

B

Anthoceropsida

C

Lycopsidea

D

Bryopsida

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5/10



7 min



Hint

Q : All of the following characters are related to bryophytes except:

A

Devoid of specialized conducting system

B

Produce flower

C

Need water for their reproduction

D

First plants to colonize on land

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SAEED MDCAT TEAM



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6/10



7 min



Hint

Q : These are simplest of all the bryophytes:

A

Liverworts

B

Mosses

C

Hornworts

D

Ferns

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7/10



7 min



Hint

Q : All of the following are features of bryophytes except:

A

Absence of vascular system

B

Heterosporous

C

Dominant gametophyte

D

Sporophyte attached to gametophyte

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8/10



7 min



Hint

Q : The evolution of megaphylls leaves included series of successive evolutionary steps which are:

A

Overtopping → Planation → Fusion

B

Fusion → Planation → Overtopping

C

Planation → Fusion → Overtopping

D

Planation → Overtopping → Fusion

SAEED MDCAT

SAEED MDCAT TEAM



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4

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7

8

9

10



9/10



7 min



Hint

Q : The members of which of the following group are also called arthropytes?

A

Psilopsida

B

Lycopsida

C

Sphenopsida

D

Pteropsida

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Q Among the following identify the feature of **monocots**

- ☐ A Parallel veins
- ☐ B 4 or 5 petals or multiple of 4 or 5
- ☒ C Vascular tissues in the form of bundles in a ring
- ☐ D Presence of tap roots

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Correct

Not Answered



Wrong Answer



Q Organisms referred to as amphibians of plant kingdom are



Pteridophytes



Bryophytes



Angiosperm



Gymnosperms

Explanation

Bryophytes required water during reproduction. Antherozoids swim by their flagella and move toward female reproductive part.



rec

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ment 30



Q The male sex organ of bryophyte is called



Antheridium



Tests



Globule



Archegonium

Explanation

Male sex organ is antheridium that make antherozoids by mitosis
Female sex organ is archegonia. Both are multicellular and formed in gametophyte stage which is haploid generation in plant life cycle



Correct

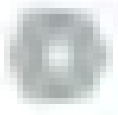
Not a correct answer



Wrong



Q All of the following are related to the members of Kingdom plantae except



Autotrophic



Multi-cellular



Motile



Eukaryotic

Explanation

Kingdom plantae mainly includes eukaryotic, autotrophic, multi-cellular, non-motile organisms which develop from embryos



Correct

Incorrect



Wrong Answer



Q All of the following are included in bryophytes except



Hepatopsida



Anthoceropsida



Lycopsida



Bryopsida

Explanation

The division bryophyta includes hepaticopsida, bryopsida and anthoceropsida while lycopsida is included in division tracheophyta



Q All of the following characters are related to bryophytes except.



Devoid of specialized conducting system



Produce flower



Need water for their reproduction



First plants to colonize on land

Explanation

Bryophytes are non-vascular flowerless plants and are devoid of specialized xylem and phloem. They are considered to be the first plants to colonize to land and called amphibians of plants because they need water for their reproduction.



Correct

Rated 3.0/5



Wrong Answer



Q These are simplest of all the bryophytes



Liverworts



Mosses



Hornworts



Ferns

Explanation

Among all the groups of bryophytes, the liverworts are the most simplest

Incorrect



7/10

Q All of the following are features of bryophytes except



Absence of vascular system



Heterosporous



Dominant gametophyte



Sporophyte attached to gametophyte

Explanation

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Bryophytes can be defined more precisely as plants with the distinguishing characters as follows,

- Vascular system absent
- Gametophyte dominant
- Sporophyte attached to gametophyte
- Homosporous

Q The evolution of megaphylls leaves included series of successive evolutionary steps which are

☒ Overtopping Planation Fusion

☐ Fusion → Planation → Overtopping

☐ Planation → Fusion → Overtopping

☐ Planation → Overtopping → Fusion

Explanation

Megaphylls evolved from the three-dimensional lateral branches of early vascular land plants in a hypothetical series of three transformations, first, the formation of determinate lateral branches (overtopping), second the development of 'flattened' branch systems (planation) and third, the fusion of planated branches with lateral outgrowths of photosynthetic mesophyll tissue to form the leaf blade (fusion/webbing)



Rec

Notified



Q



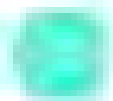
Q The members of which of the following group are also called arthropytes?



Psilopsida



Lycopsida



Sphenopsida

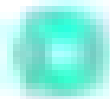


Pteropsida

Explanation

Members included in sphenopsida are also called as arthropytes because the whole plant body is composed of large number of joints

Q Among the following identify the feature of monocots



Parallel veins



4 or 5 petals or multiple of 4 or 5



Vascular tissues in the form of bundle in a ring



Presence of tap roots

Explanation





QUIZZES

Practice Test-2 (Diversity Among Plants and Animals)

1. The following are the characteristics of

1. _____

2. _____

3. _____

4. _____

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10

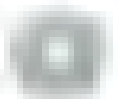
7 min

100%

Q An organism is known as animal if it has all of following properties except



Eukaryotic



Unicellular



Heterogamy



Ingestive heterotrophic

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1/10



7 min

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Q Simplest animals are



A Amoebae



B Sponges



C Jelly fishes



D Hydra

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SAEED MDCAT TEAM

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Q Liver has its origin from _____ layer

- ☒ A Endoderm
- ☐ B Ectoderm
- ☐ C Mesoderm
- ☐ D Integumentary



70

7 min

100

Q The only well-developed system found in acoelomates



Excretory system



Transport system



Digestive system



Respiratory system

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Q Pseudocoelom is developed from

- ☐ A Blastostyle
- ☐ B Blastocoel
- ☒ C Blastocyst
- ☐ D Mesoderm

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SAEED MDCAT TEAM

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/c

7 min

100%

Q In protostoma & deuterostomia respectively, cleavage s



Indeterminate & spiral



Radial & spir



Determinate & indeterminate



Determinate and radial

SAEED MDCAT

SAEED MDCAT TEAM

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10

7 min

100

Q In sponges, gemmules are actually



Interna buds



Externa buds



Sex cells



Respiratory structures

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SAEED MDCAT TEAM



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for

7 min

100

Q Coelenterata is so named as cnidaria because of presence of



Gastro vascular cavity



Cnidocytes



Polyps and medusae



Polymorphism

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4

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70

7 min

100

Q One which lives in bile duct of human as an endoparasite?

*Dugesia**Fasciola**Taenia**Schistosoma*

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Q.10

7 min

100%

Q. Phylum having largest biodiversity on earth is



Annelida



Mollusca



Chordata



Arthropoda

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Q An organism is known as animal if it has all of following properties except



Eukaryotic



Unicellular



Heterogamy



Ingestive heterotrophic

Explanation

All organisms belong to kingdom Animalia are eukaryotic, heterogametic, and multicellular and have ingestive mode of nutrition. Animals are not unicellular but they have proper tissue organization.



Topic

Notified



Question

Q. Simplest animals are



Amoebae



Sponges



Jelly fishes



Hydra

Explanation

They are directly evolved from animal like protists. They do not have any organ system and are poorly developed than other organisms in kingdom animalia.

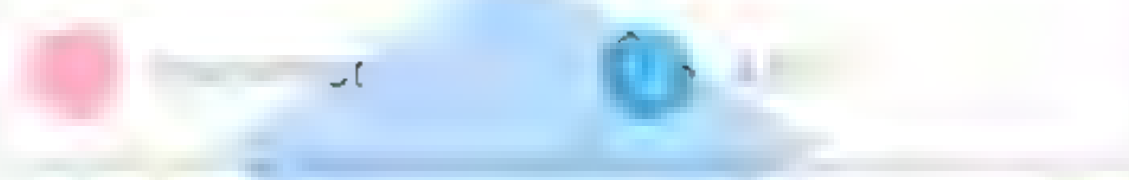
Q Liver has its origin from _____ layer

- ☒ Endoderm
- ☐ Ectoderm
- ☐ Mesoderm
- ☐ Integumentary

Explanation



Ectoderm	Mesoderm	Endoderm
Epidermis Cutaneous Nervous System Neural Crest Derivatives <ul style="list-style-type: none"> • Peripheral Nervous System • Melanocytes • Facial cartilage • Dentine of teeth • Skull bones 	Bone, cartilage, tendon Muscle (smooth and striated) Circulatory System including heart vessels Lymphatic system Gonads Kidney Adipose Tissue Notochord	Digestive System Respiratory System Pancreas Liver Thyroid Epithelium Parathyroid Epithelium Thymus Bladder



Q The only well-developed system found in coelomates

- ☒ Excretory system
- ☐ Transport system
- ☐ Digestive system
- ☐ Respiratory system

Explanation

They have well developed excretory system (protonephridia)
Digestive system is less developed and sac like while transport and digestive systems are absent



Rec

rafted seed



Seed



Q Pseudocoelom is developed from



Blastostyle



Blastocoel



Blastocyst



Mesoderm

Explanation

Pseudocoelom develops from the blastocoel of the embryo and it is bounded externally by the muscles and internally by the cuticle of the intestine

Q In proterostoma & deuterostomia respectively, cleavage is

- ☐ Indeterminate & spiral
- ☐ Radial & spiral
- ☒ Determinate & indeterminate
- ☐ Determinate and radial

Explanation





Indeterminate & spiral



Radial & spiral



Determinate & indeterminate



Determinate and radial

Explanation





Incorrect



7/10

Q : In sponges, gemmules are actually:

A

Internal buds

B

External buds

C

Sex cells

D

Respiratory structures

Explanation

In sponges, asexual reproduction occurs by forming internal buds called gemmules.





Q : Coelenterata is also named as cnidaria because of presence of:

A Gastro vascular cavity

B Cnidocytes

C Polyps and medusae

D Polymorphism

Explanation





Correct



Unattempted



Incorrect



9/10

Q : One which lives in bile duct of human as an endoparasite;



Dugesia



Fasciola



Taenia



Schistosoma

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Explanation

It is an endoparasite in sheep and occasionally in human beings. It has suckers used for attachment to host tissue. It completes its life cycle in two hosts a snail, sheep or man. It lives in the bile duct of its hosts.



Correct



Unattempted



Incorrect



10/10

Q : Phylum having largest biodiversity on earth is:



Annelida



Mollusca



Chordata



Arthropoda

Explanation

Arthropoda is the largest group in animal kingdom and has great variety. Insects are found everywhere, many show social behavior.